

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	25	shibayama-katsumi.in.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 10:03
S2	757	438/57.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:42
S3	493	257/233.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 10:04
S4	980	257/292.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 12:52
S5	843	257/291.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 13:40
S6	171	438/144.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:48
S7	497	438/64.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:49
S8	260	438/66.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:49
S9	134	(S6 or S7) (diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:51
S10	47169	(photo with (diode or sensor))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:57
S13	152555	(n or p) adj type	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:56
S14	159154	incident with light	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:57
S15	1712	S10 and S13 and S14	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/23 14:58
S16	74	((photo with (diode or sensor))) (((n or p) adj type) or conductivity) (incident with light)	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/23 15:02

## EAST Search History

S17	1	"5243215".pn.	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/23 15:02
S18	2	"20030034496"	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:15
S19	1751987	resin or organic or polymer	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:16
S20	266763	transmit\$5 with light	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:17
S21	1769104	transparent or clear	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:17
S22	47230	(photo with (diode or sensor))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:17
S23	7838	S19 (S20 or S21) S22	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:18
S24	188	S19 with (S20 or S21) same S22	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:26
S25	159378	light with incident	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:03
S26	954	S19 with S20 with S25	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:31
S27	3	S19 with S20 with S25 same S22	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 08:33
S28	41	(S19 with S20 with S25) S22	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:12
S29	1	(10/262859).APP.	USPAT; USOCR	AND	ON	2007/05/24 11:28
S30	8	("5449943"   "5519247"   "5633526"   "5777352"   "5961742"   "6114685"   "6340836"   "6354595").PN. OR ("7148551"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:23
S31	106	257/447.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:25

## EAST Search History

S32	291	257/437.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:25
S33	150497	(back adj side)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:43
S34	47230	(photo with (diode or sensor))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:44
S35	159378	incident with light	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:44
S36	666	S34 S33 S35	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:44
S37	0	S34 with S33 with S35	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 12:44
S38	5	S33 with S35 same S34	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:04
S39	111	S33 with S34	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:04
S40	1751987	resin or organic or polymer	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:13
S41	47230	(photo with (diode or sensor))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:13
S42	362	(S40 with S41 with (light or incident))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:34
S43	37	(scintillator with opposite with (light with incident))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:34
S44	1	(10/681767).APP.	USPAT; USOCR	AND	ON	2007/05/24 13:57
S45	9	("5083031"   "5229626"   "5686733"   "6031234"   "6060714"   "6171643"   "6541774"   "6784433"   "6895077").PN. OR ("7019304").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 13:57
S46	159378	incident with light	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:04

## EAST Search History

S47	4994	S46 with S40	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:04
S48	12	(S46 with resin) same S34	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:11
S49	72	(incident with resin) same diode	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:19
S50	2	"20020158208"	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:19
S51	9	("20020011572"   "4593400"   "5262649"   "5464984"   "5733476"   "5965872"   "6031892"   "6350990"   "6414315").PN. OR ("7041982").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:27
S52	753	250/370.01.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:27
S53	4	S52 (diode same resin)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:33
S54	242	resin with cover with diode	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:38
S56	21	(resin with (photo with diode)) (back with side)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:52
S57	4619	(257/233.ccls. or 257/292.ccls. or 438/57.ccls. or 438/144.ccls. or 257/291.ccls. or 438/64.ccls. or 438/66.ccls. or 257/431.ccls. or 257/437.ccls. or 257/447.ccls.)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:53
S58	1942	S57 and (incident with light)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:54
S59	771	S57 and ((incident with light) diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:54
S60	193	S57 and ((incident with light) diode (resin or polymer))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 14:54
S61	37	S57 and ((incident with light) (diode same (resin or polymer)))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:08

## EAST Search History

S62	107	(AR or (anti adj reflective)) with (resin or polymer) with advantage	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:07
S63	92	S57 and (diode same (resin or polymer))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:15
S64	0	(resin with collet with interpose)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:16
S65	188	(resin with collet)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:41
S66	2	"20020127890"	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:17
S67	197	(resin with collet)	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/24 15:43
S68	4	(resin with collet) diode	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/24 15:41
S69	45	(resin with collet) contact	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/24 15:48
S70	49	(collet with diode)	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/24 15:58
S71	5	(collet with diode) (resin or polymer or organic)	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/24 15:49
S72	58	(collet with diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:58
S73	0	(collet with (photo adj diode))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 07:58
S74	11	(collet with (photodiode))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 15:58
S75	6	("20020011640"   "3748546"   "4021836"   "4814847"   "5600130"   "5852322").PN. OR ("7148464").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/24 16:00

## EAST Search History

S76	58	(collet with (diode))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:04
S77	6	(collet with (diode)) interpose\$2	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:05
S78	2	(collet same interpose\$2) (photo with diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:09
S79	1043	(collet same interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:10
S80	3	(collet with interpose\$2 with substrate)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:09
S81	427	(collet with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:10
S82	18	("3811182"   "4185814"   "4634043"   "4875279"   "5049084"   "5169196"   "5639323"   "5654204"   "5765277"   "5839769"   "5877534"   "5943254"   "5983477"   "6068317"   "6152506"   "6196439").PN. OR ("6386432"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:22
S83	181	mount with (diode with array)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:24
S84	29	mount with (diode with array) interpose\$2	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:25
S85	1121	mount with (array) interpose\$2	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:25
S86	85	mount with (array) with interpose\$2	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:31
S87	41	mount with (array) with interpose\$2	FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/05/25 08:28
S88	949	mount with (photodiode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:31
S89	14	mount with (photodiode) collet	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 08:34

## EAST Search History

S90	15	resin with cover with (photo with diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 09:37
S91	506	(resin with diode) (back with side)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:07
S92	136	(resin with diode) same (back with side)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:07
S93	82	(back adj side) same (photo adj diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:47
S94	24	S93 and mount	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:37
S95	13	S93 and resin	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:41
S96	15	S93 and interpose\$2	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:41
S97	3074	(back adj side) same (photo or diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:48
S98	1681	(back adj side) same (diode)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:48
S99	497	((back adj side) same (diode)) (resin or interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:48
S10 0	63	((back adj side) same (diode)) (resin AND interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:49
S10 1	6	((back adj side) same (diode)) (resin with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:51
S10 2	9	((back adj side) same (photo)) (resin with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 11:08
S10 3	0	(photo adj diode) same (mount or collet) same (resin with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:52
S10 4	2	(photo adj diode) same (resin with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:54

## EAST Search History

S10 5	145	(photo or diode) same (resin with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 10:54
S10 6	0	((back adj illuminated) same (photo)) (resin with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 11:09
S10 7	1	((back adj illuminated) same (array)) (resin with interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 11:09
S10 8	40	((back adj illuminated) same (array)) (interpose\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 11:24
S10 9	36	((back adj illuminated) same (array)) (mount)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 11:29
S11 0	41	((back adj illuminated) same (array)) (resin)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 12:24
S11 1	5	((back adj illuminated) same (array)) (collet)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 12:23
S11 2	279	((back adj illuminated) same (array))	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:54
S11 3	2	"20040155198"	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:22
S11 4	10	("20020158208"   "4641953"   "4870279"   "4954706"   "5059800"   "5150394"   "5259013"   "6005911"   "6031892"   "6285740").PN. OR ("7002155").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:23
S11 5	906	scintillator with (incident with light)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:27
S11 6	37	scintillator with opposite with (incident with light)	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:27
S11 7	9	("5083031"   "5229626"   "5686733"   "6031234"   "6060714"   "6171643"   "6541774"   "6784433"   "6895077").PN. OR ("7019304").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:42
S11 8	2	"20030160185"	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:42



## EAST Search History

S11 9	11	S112 and S115	US-PGPUB; USPAT; USOCR	AND	ON	2007/05/25 14:54
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